

NORTH WESTERN RAILWAY

Technical details of Udaipur – Himmatnagar railway line gauge conversion project

Cost of project as per sanctioned detailed estimate	Rs 829.74 Cr.
Estimated rate of return (ROR)	(+) 15.01%
Length of track from Udaipur to Himmatnagar	209.20 Km
Ruling gradient	1 in 100
Maximum degree of curvature	5°
Total number of stations	21 Nos.
‘B’ Class stations (Crossing stations)	11 Nos.
‘D’ Class stations (Non-crossing stations)	10 Nos.
Important cities / towns on the route	Udaipur, Zawar, Jaisamand, Rikhabdev, Dungarpur, Shamlaji, Himmatnagar
Total earthwork to be done in the project	71.22 lakh cum
Total number of bridges	701 Nos.
Major Bridges	43 Nos.
Minor Bridges	658 Nos.
Sleepers	60 kg PSC sleepers at the density of 1660 Nos. per Km
Ballast cushion below sleepers	350 mm
Rails	60 Kg 90 UTS new rails
Turn-outs	Fan-shaped turn-outs 1 in 12 geometry
Number of manned level crossings	6 Nos.
Number of unmanned level crossings	Nil (No unmanned level crossing)
Road over bridges (ROBs)	7 Nos.
Road under Bridges (RUBs) / Limited Height Subways (LHSs) 112 Nos.	112 Nos.



(VIKAS BORA)

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